

**BY ORDER OF THE COMMANDER
AIR MOBILITY COMMAND**



AIR FORCE INSTRUCTION 91-101

**AIR MOBILITY COMMAND
Supplement**

7 OCTOBER 2011

Safety

**AIR FORCE NUCLEAR WEAPONS SURETY
PROGRAM**

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This supplement implements and extends the guidance of Air Force Instruction (AFI) 91-101, *Air Force Nuclear Weapons Surety Program*, 13 October 2010, with change 1, dated 5 January 2011, is supplemented as follows. This publication applies to Air Mobility Command commanders, managers, supervisors, safety staffs, base support staffs, aircrew, and workers associated with the transport of nuclear weapons and related components. This supplement does not apply to Air National Guard or US Air Force Reserve units. The reporting requirements in this supplement are exempt from licensing in accordance with paragraph 2.11.12, AFI 33-324, *The Information Collections and Reports Management Program: Controlling Internal, Public, and Interagency Air Force Information Collections*. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW the Air Force Records Information Management System (AFRIMS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. Refer recommended changes and questions about this publication to the office of primary responsibility (OPR) using AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through the appropriate functionals chain of command.

SUMMARY OF CHANGES

This publication has been substantially revised and must be completely reviewed. It incorporates new guidance regarding nuclear surety training and identifies updated regulatory requirements associated with nuclear surety programs. Table 2.1. and Figure 2.1 have been added.

1.1. Goal. The goal of the Air Mobility Command (AMC) Nuclear Surety Program is to ensure the safety and security of nuclear weapons while in the air transportation system and accomplishment of the special mission without incident. This goal is accomplished by a network of MAJCOM and wing personnel combined with support from other DoD organizations. The Nuclear Surety Manager (NSM) must work closely, in staffing issues of joint concern, with the wing Nuclear Surety Office.

2.3.1. HQ AMC/SEW is responsible for the command's nuclear surety program.

2.3.3. Appropriate HQ AMC staff functions ensure formal and proficiency training includes functional tasks related to AMC nuclear operations.

2.3.3.10. (Added) Nuclear Airlift Operations.

2.3.5.1. HQ AMC/A7X is OPR for Emergency Management Plan

2.3.7. All proposed changes to nuclear weapon systems and noncombat delivery vehicles will be coordinated through the HQ AMC/SEW office.

2.3.9. HQ AMC staff functions supporting the headquarters Nuclear Surety Working Group (NSWG) also support USAF Nuclear Weapons System Safety Group (NWSSG) activities, as required. HQ AMC/SEW or designated representative is the Group's chairperson. The NSWG meets as needed to address the command's Nuclear Surety Program and PNAF operations. See Table 2.1. for responsibility of group members:

Table 2.1. (Added) Group Members Responsibilities

<u>STAFF FUNCTION</u>	<u>RESPONSIBILITY</u>
A1	PERSONNEL RELIABILITY PROGRAM (PRP)
A3	PRIME NUCLEAR AIRLIFT FORCE (PNAF) OPERATIONS
A4	AIRCRAFT SELECTION & MAINTENANCE / SHORING KITS
A7	SECURITY & READINESS
SEW	NUCLEAR SURETY PROGRAM
SGP	MEDICAL PRP
618 AOC (TACC)	MISSION PLANNING

2.3.9.1. (Added) Assist in developing Nuclear Surety policy and procedures.

2.3.9.2. (Added) Develop and maintain checklists IAW AFI 90-201 for the NSSAV and NSI programs. HQ AMC/SEW maintains a master copy of checklists, prepares a checklist index, and distributes documents as required.

2.3.9.3. (Added) Provide functional expertise for nuclear airlift operations and support requirements.

2.3.9.4. (Added) Serve as a member of the MAJCOM NSSAV team.

2.3.9.5. (Added) Support USAF NWSSG activities, as required.

2.3.10. HQ AMC/A3N is the OPR for all nuclear issues. HQ AMC/SEW is the MAJCOM OPR for nuclear surety matters. (ref. 2.7.1.)

2.3.11. HQ AMC Nuclear Surety Council (NSC) consists of senior officers from the same staff functions represented in the NSWG. HQ AMC/SE is the Chairperson when AMC/CV is not in

attendance. The council will meet semi-annually or as directed by AMC/CV or if requested by the director of a staff function. The NSC meets when leadership attention/involvement is needed to direct MAJCOM-level action with respect to the Nuclear Surety Program and PNAF operations.

2.7.1. Nuclear surety program OPR is HQ AMC/SEW (Weapons Safety Division). Address is 510 POW-MIA Dr., Bldg. P-40E, Rm. E-113, Scott AFB IL, 62225-5020. The division can be contacted @ DSN 779-0950 or commercial 618-229-0950. Other related phone numbers are: FAX – DSN 779-0232 or commercial 618-229-0232; and STE – 779-0234 or VoSIP – 302-779-0950. E-mail address is mail to: **AMC-SEW@scott.af.mil**.

2.7.7. The wing Nuclear Surety Manager (NSM) is trained by the MAJCOM Nuclear Surety Manager using command-developed plan.

2.7.12. (Added) Manages the Nuclear Surety Staff Assistance Visit (NSSAV) IAW AFI 91-121, *Nuclear Surety Staff Assistance Visit (NSSAV) Program*.

2.7.13. (Added) Acts as MAJCOM-appointed Corrective Action Report Status (CARS) monitor IAW AFI 90-201, paragraph 1.7.6.4., to track corrective actions for all deficiencies identified in DTRA inspection reports. Comply with AFI 90-201 paragraph 5.12.2. requirements for DTRA inspection reports.

2.10.6. Vehicle Management will inform the wing NSM of potential DULL SWORD conditions on nuclear-certified equipment. See AFI 91-204.

2.10.8. (Added) Military Equal Opportunity personnel support PRP requirements.

2.10.9. (Added) Command Post will:

2.10.9.1. (Added) Develop/Publish operating instructions (OI) and/or quick reaction checklists (QRC) IAW AFI 10-207-AMCSUP, Command Posts.

2.10.9.2. (Added) Ensure controllers coordinate and document required actions IAW AMC, Air Force, and JCS directives. Disseminate appropriate OPREP-3 reports, as applicable.

2.10.9.3. (Added) Ensure command and control facilities possess base regulations/plans to support nuclear support operations.

2.10.9.4. (Added) Ensure controllers are trained and knowledgeable in nuclear-support operations.

2.10.9.5. (Added) Ensure compliance with NSI criteria. See AFI 90-201.

2.10.9.6. (Added) Emphasize the importance of monitoring communications security (COMSEC) to avoid compromise and mission degradation.

2.12.5. (Added) Ensure aircraft maintenance squadrons at a PNAF wing comply with aircraft selection and preparation requirements in AFI 11-299, *Nuclear Airlift Operations (FOUO)*.

2.12.6. (Added) Ensure Aerial Port Squadrons under PNAF wings comply with nuclear shoring kit requirements as outlined in AMCI 24-101V11, Para 74.2

2.12.7. (Added) Appoint a Unit Nuclear Surety Representative (UNSR) to oversee the program.

2.12.8. (Added) Prepare operating instructions regarding the nuclear mission, as appropriate, and ensure they are approved by NSM prior to use.

2.13.6. (Added) Inform personnel of changes to PRP, two-person concept, weapons security, and nuclear weapons system safety rules.

2.15. Wing/Base Level Weapon Safety Managers. The NSM is the commander's personal representative and the single point of contact regarding nuclear surety matters. The NSM is a coordinator and advisor to the commander and staff on nuclear surety matters. The NSM's primary responsibility of mishap prevention demands active and aggressive involvement in the daily operation of the unit. The NSM must identify programmatic, procedural or equipment problems to the responsible functional manager for resolution and assist with corrective actions, as appropriate. If a problem is significant or resolution does not appear to be timely and effective, inform the commander. The NSM at a PNAF wing is assigned to a funded position earned by application of the Air Force Manpower Standard (AFMS) for weapons safety and associated variance for nuclear surety. Changing the category (example: civilian, enlisted, officer) of a funded authorization is a wing option. NOTE: The NSM (Active Duty or civilian) will have nuclear surety experience and be knowledgeable in PNAF operations.

2.15.1.1. (Added) The NSM may inspect all functions in one effort or space the inspections throughout a 12-month period. If the NSM inspects all functions in one effort, the inspection will not be completed during the 90-day period following the MAJCOM NSI.

2.15.1.2. (Added) Document an annual inspection in letter format including type of inspection, date, functional area inspected, key personnel contacted/interviewed, findings, observations and recommended corrective actions (if appropriate). Route reports through the chief of safety and the wing commander to the unit commander. Track open inspection findings and provide timely status reports until closeout.

2.15.1.3. (Added) The unit annual inspection may be combined with other safety inspections required by AFI 91-202, *The US Air Force Mishap Prevention Program*.

2.15.1.4. (Added) The annual inspection must be completed by the end of the month, 12 months after the previous year's inspection.

2.15.4. Review changes to nuclear weapon system safety rules, Special Assignment Airlift Mission Reports (SAAMREP) and DULL SWORD reports applicable to the wing for applicable nuclear surety related issues.

2.15.6.1. (Added) Accompany the installation/wing PRP monitor periodically on visits to staff agencies (Military Equal Opportunity, medical and dental facilities, etc.) involved with PRP. When the NSM accompanies the installation/wing PRP monitor on a visit, it may be used to meet the requirements of the PRP portion of the unit annual nuclear surety inspection.

2.15.10.1. The review includes a periodic observation of training sessions and the lesson plan test, conducted at the squadron level. HQ AMC/SEW is the approval authority for lesson plans and test.

2.15.13. Only Unit Safety Representatives with access to nuclear weapons require nuclear surety training IAW AFMAN 10-3902.

2.15.15. (Added) The NSM will attend the Defense Threat Reduction Agency (DTRA) Joint Nuclear Surety Executive Course (JNSEC) and should attend the Air Force Nuclear Weapons Center (AFNWC) Air Force Nuclear Management Fundamentals Course.

2.15.16. (Added) A NSM is appointed (in writing) by the wing commander.

2.15.17. (Added) Publish policy for appointing, training, and defining responsibilities of a UNSR.

2.15.18. (Added) The NSM will fly quarterly on a nuclear airlift (actual or training) mission to monitor the mission and base support operations. The NSM performing the observation will not act in a primary/training crew position on more than two quarterly observations per calendar year. Additionally, the NSM will not act in a primary/training crew position on two consecutive quarterly mission observations. Send a copy of the trip report to HQ AMC/SEW.

2.16.2. Nuclear surety training is only required for those with access to nuclear weapons.

2.17.1. The re-test will, as a minimum, examine areas in which the individual failed to demonstrate acceptable understanding on the initial test. The re-test will be structured the same as the original test (i.e., subjective or objective).

2.17.4. The wing may supplement the AF standardized nuclear surety lesson plan with unique mission requirements. The retraining and retest should ensure the same level of understanding of the basic concepts of nuclear surety as the original training and test. Send the lesson plan to HQ AMC/SEW for approval.

2.18.1.5. (Added) Below the MAJCOM level, a Nuclear Surety Council (NSC) is established to monitor, evaluate, and improve policies and procedures for nuclear airlift operations. A NSC is required at a PNAF wing.

2.18.1.6. (Added) See Figure 2.1 for functions requiring representation at NSC meetings:

Figure 2.1. (Added) Functions Requiring Representation

PERSONNEL RELIABILITY PROGRAM (PRP) (MEDICAL/PERSONNEL) PNAF OPERATIONS COMMAND POST AERIAL PORT AIRCRAFT SELECTION & MAINTENANCE SECURITY & READINESS NUCLEAR SURETY PROGRAM (SAFETY)
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2.18.1.7. (Added) Others deemed appropriate by the Chairperson

2.18.1.8. (Added) A recorder will be present for all NSC meetings. Meeting minutes will be taken and include open action items, OPR, and the estimated completion date for each item. Send a copy of the minutes to HQ AMC/SEW.

DONALD J. HALPIN, Colonel, USAF
Director of Safety

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 10-207_AMCSUP, *Command Posts*, 13 May 2009
AFI 10-701, *Operations Security (OPSEC)*, 18 October 2007
AFI 11-299, *Nuclear Airlift Operations (FOUO)*, 19 March 2008
AFI 33-201V2, *Communications Security (COMSEC) User Requirements*, 26 April 2005
AFI 33-324, *The Information Collections and Reports Management Program*, 1 June 2000
AFMAN 33-363, *Management of Records*, 1 March 2008
AFI 90-201, *Inspector General Activities*, 17 June 2009
AFI 91-202_AMCSUP, *The US Air Force Mishap Prevention Program*, 31 August 2004
AFI 91-121, *Nuclear Surety Staff Assistance Visit (NSSAV) Program*, 8 November 2010
DoD 5210-42-Regulation, AFMAN 10-3902, *Nuclear Weapons Personnel Reliability Program (PRP)*, 13 November 2006

Prescribed Forms

No Forms or IMT's prescribed by this publication

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*, 22 Sep 2009

Abbreviations and Acronyms

AFMS—Air Force Manpower Standard
AOC—Air Operations Center
CARS—Corrective Action Report Status
COMSEC—Communications Security
DTRA—Defense Threat Reduction Agency
FOUO—For Official Use Only
JNSEC—Joint Nuclear Surety Executive Course
NSSAV—Nuclear Surety Staff Assistance Visit
NSC—Nuclear Surety Council
NSI—Nuclear Surety Inspection
NSM—Nuclear Surety Manager
NSWG—Nuclear Surety Working Group
OI—Operating Instruction

OPSEC—Operational Security

QRC—Quick Reaction Checklist

SAAMREP—Special Assignment Airlift Mission Report

UNSR—Unit Nuclear Surety Representative

Terms

Nuclear Surety Manager (NSM)—As used in this supplement, the term NSM identifies individuals performing nuclear surety functions as a primary duty at AMC headquarters and wing-level.

Unit Nuclear Surety Representative (UNSR)—As used in this supplement, the term UNSR identifies an individual responsible for many of the nuclear surety program requirements at the group and squadron level.

Nuclear Surety Staff Assistance Visit (NSSAV)— The Secretary of the Air Force established the NSSAV program to assist nuclear tasked units, on a non-attribution basis, in maintaining effective nuclear surety programs. The NSSAV is an opportunity to receive assistance from experienced headquarters personnel who write nuclear surety policy and guidance. It is not an inspection nor is it intended to prepare units to pass Nuclear Surety Inspections (NSI). NSSAV will not give a rating, score, grade, or assessment statements about units, however if the NSSAV team identifies critical systemic deficiencies, they can recommend that the wing conduct root cause analysis of each critical deficiency and provide results to the NSSAV Lead Division or Team Chief. The NSSAV also provides an opportunity for resolution and clarification of issues between the unit and headquarters functional managers. See AFI 91-121 Nuclear Surety Staff Assistance Visit Program, for NSSAV program management